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Model #: SMART700USB

SmartPro USB UPS System - Intelligent, line-interactive battery backup for workstations

Highlights

- 700VA line interactive tower UPS system
- Enhanced communications via USB port, free PowerAlert softare and cabling
- Corrects brownouts as low as 83V
- 6 outlets (3 UPS / 3 Surge-only)
- Single line TEL/DSL or ethernet line surge suppression
- $200,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

Description

Tripp Lite's SMART700USB line-interactive UPS system offers voltage regulation, surge suppression and long lasting battery support for personal computers, internetworking equipment and other sensitive electronics. Internal UPS circuits support entry level PC systems for up to 45 minutes during power failures so that connected equipment can be shutdown without data loss. Automatic Voltage Regulation (AVR) circuits regulate brownouts as low as 83 volts back to usable levels without using battery power. Offers complete desktop power protection in an attractive black upright tower configuration. Includes 3 battery supported outlets for computer, monitor and one vital system peripheral, plus 3 additional surge suppression-only outlets for printers and other system accessories not requiring battery support. USB port enables optional unattended system shutdown without data loss in the case of extended power failure, USB cable included. PowerAlert software available via free download from www.tripplite.com. Built-in dataline protection jacks offer protection of a single dialup phone/DSL line or network ethernet connection. Built-in audible alarm and 4 front panel LEDs indicate line power status, battery power status, battery low/replace status and voltage boost operation. 700VA/450 watt power handling ability supports entry-level PCs, network workstations, point-of-sale equipment, small business phone systems, audio/video equipment and home theater systems. Offers 5 minutes battery runtime with a full load of 700VA/450 watts and 17 minutes with a half load of 350VA/225 watts. Supports battery replacement via built-in access panel. 2 year warranty. $200,000 connected equipment insurance (USA & Canada Only).

Applications

- Entry-level PCs, networked workstations, point-of-sale equipment, small business phone systems, audio/video equipment and home theater systems. Ideal for sensitive electronic applications in areas where brownout conditions are common.

Package Includes

- SMART700USB Standby UPS System
- USB and Telephone interconnection cables
- Instruction manual with warranty information

Features

- SMART700USB line-interactive UPS system offers voltage regulation and battery support, plus complete AC and dialup/DSL/ethernet line surge suppression
- Supports entry level PC systems for up to 45 minutes during power failures to enable a safe system shutdown
- Supports a max load of 700VA/450 watts for 5 minutes and a half load of 350VA/225 watts for 17 minutes
- Automatic Voltage Regulation (AVR) circuits correct brownouts as low as 83 volts without using battery power
- Attractive black tower configuration
- Includes 3 battery supported outlets, plus 3 additional surge suppression-only outlets, 6 foot AC line cord (all NEMA 5-15)

- USB port enables unattended shutdown without data loss during extended power failures, includes USB cable
- Built-in USB port supports on battery, low battery, power restored, AC line voltage, DC battery voltage and battery capacity messaging; interface supports timed inverter shutoff after unattended shutdown, activate self-test and 10 second reboot of connected equipment
- PowerAlert UPS monitoring and unattended shutdown software available via free download from www.tripplite.com
- Supports Tripp Lite's WatchDog software application to restore unresponsive programs by automatically restarting them and rebooting completely locked computers by automatically switching UPS power off and back on again (part #75-0071)
- Built-in dataline suppression jacks protect a single dialup phone/DSL line or network ethernet line connection
- Built-in audible alarm and 4 front panel LEDs indicate UPS system and line power status
- 700VA/450 watt power handling ability supports a variety of computer, internetworking, telecom and consumer electronics equipment
- Supports battery replacement via built-in access panel
- Compatible with 120V/60Hz applications for USA, Canada, Mexico and more
- 2 year manufacturers warranty
- $200,000 connected equipment insurance (USA & Canada Only)

Specifications

OUTPUT	
Frequency compatibility	60 Hz
Output VA	700
Output watts	450
Output nominal voltage	120V AC
Output voltage regulation	BATTERY MODE: PWM sine wave 120V +/-5%
Output frequency regulation	LINE MODE: Passes line frequency of 60Hz +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz
Outlet quantity / type	6 NEMA 5-15R output receptacles (3 with UPS and surge suppression / 3 with surge suppression only)
INPUT	
UPS Input cord length (ft.)	6 ft., 16 gauge
Recommended Electrical Service	15A 120V
Maximum Input Amps (A)	10
Input connection type	NEMA 5-15P
Voltage compatibility (VAC)	120
BATTERY	
DC system voltage (VDC)	12
Battery Access	Battery access door allows user replacement of UPS batteries
Full load runtime	5 minutes (700VA)
Half load runtime	17 minutes (350VA)
Typical battery lifespan	3-6 years, depending on usage
Battery recharge rate	2-4 hours to 90%
VOLTAGE REGULATION	

Voltage regulation description	Line interactive voltage regulation corrects brownouts as low as 83V back to 120V nominal values
Brownout correction	Input voltages between 83 and 105 are boosted by 14%
Direct pass through	Voltages of 106V and greater are passed through to connected equipment unchanged
LEDS ALARMS & SWITCHES	
Alarms	Audible alarm with 15 second delay sounds to indicate loss of utility power. Alarm can be silenced by pressing front panel alarm cancel button. Once silenced, alarm will re-sound when approximately 2 minutes runtime remain.
Switches	Includes 2 front panel switches — one main on/off power switch and one dual function "alarm cancel" / "self test" button
Front panel LEDs	4 LEDs indicate performance conditions: GREEN "online" GREEN "voltage regulation enabled" RED "on battery" YELLOW "battery low/replace"
SURGE / NOISE SUPPRESSION	
UPS AC suppression joule rating	Conforms to IEEE 587 / ANSI C62.41 specifications
EMI / RFI AC noise suppression	Yes
AC suppression response time	Instantaneous
Dataline suppression	Single line TEL/DSL or network ethernet surge suppression via single pair of RJ-style 8 position jacks (ethernet protection pins 1,2,3,6 - 7.5V clamping / phone protection pins 4,5 - 260V clamping), includes phone cable
PHYSICAL	
Shipping weight (lbs)	18.6
Shipping weight (kg)	8.4
Cooling method	Convection
Unit Dimensions (HWD/in)	10.75 x 5.25 x 7.25
Unit Dimensions (HWD/cm)	27.3 x 13.3 x 18.4
Unit weight (lbs)	17.2
Unit weight (kg)	7.8
Material of construction	PVC
Form factors supported	Tower, wall mountable with optional UPSWM accessory
ENVIRONMENTAL	
Relative Humidity	0 to 95%, non-condensing
COMMUNICATIONS	
WatchDog compatibility	Yes, compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of application / OS or hard power off/on reboot of connected equipment - ideal for unattended kiosk applications
Network monitoring port	Built-in USB port supports on battery, low battery, and power restored messaging

Software and cabling included	USB cabling included, PowerAlert software available for free download at www.tripplite.com
LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode	2-4 milliseconds
Low voltage transfer to battery power	Switches to battery power as line voltage decreases to 83 volts or less. Resets to line power mode as line voltage increases to 87V or higher.
High voltage transfer to battery power	Switches to battery power as line voltage increases to 147 volts or higher. Resets to line power mode as line voltage decreases to 143V or less.
SPECIAL FEATURES	
Appearance	Attractive all-black tower UPS
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), cUL (Canada), FCC Class B (emissions), NOM (Mexico), FCC Part 68 / Industry Canada (Telecommunications)
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty
Optional Coverage	3-5 year warranties, plus next day and on-site warranty coverage available for select opportunities. Contact Tripp Lite for additional information.
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$200,000 Ultimate Lifetime Insurance

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?variables.txtModelID=50.

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